

This Page Is Inserted by IFW Operations
and is not a part of the Official Record

BEST AVAILABLE IMAGES

Defective images within this document are accurate representations of the original documents submitted by the applicant.

Defects in the images may include (but are not limited to):

- BLACK BORDERS
- TEXT CUT OFF AT TOP, BOTTOM OR SIDES
- FADED TEXT
- ILLEGIBLE TEXT
- SKEWED/SLANTED IMAGES
- COLORED PHOTOS
- BLACK OR VERY BLACK AND WHITE DARK PHOTOS
- GRAY SCALE DOCUMENTS

IMAGES ARE BEST AVAILABLE COPY.

**As rescanning documents *will not* correct images,
please do not report the images to the
Image Problem Mailbox.**

1/32

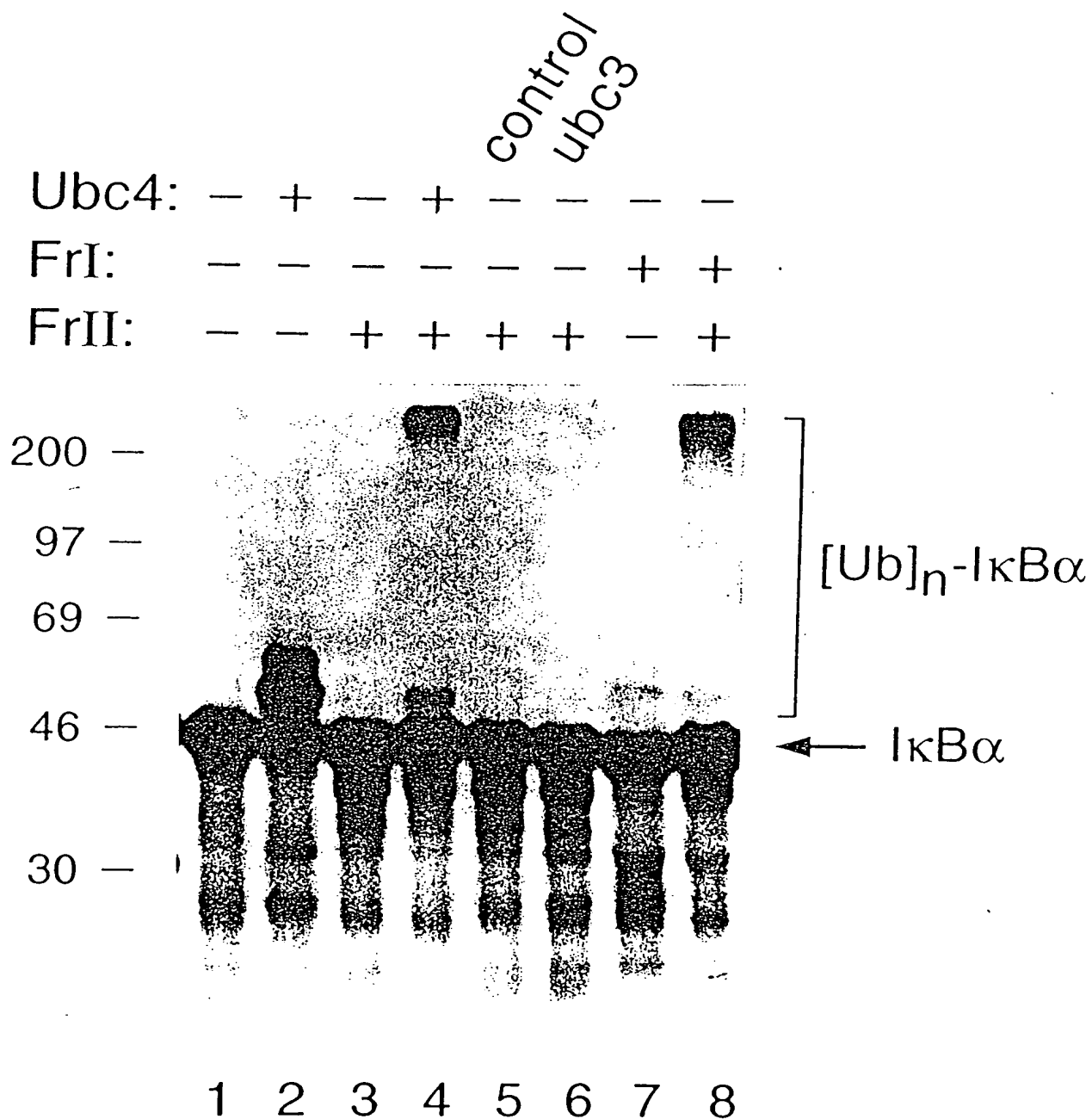


FIG.1

2/32

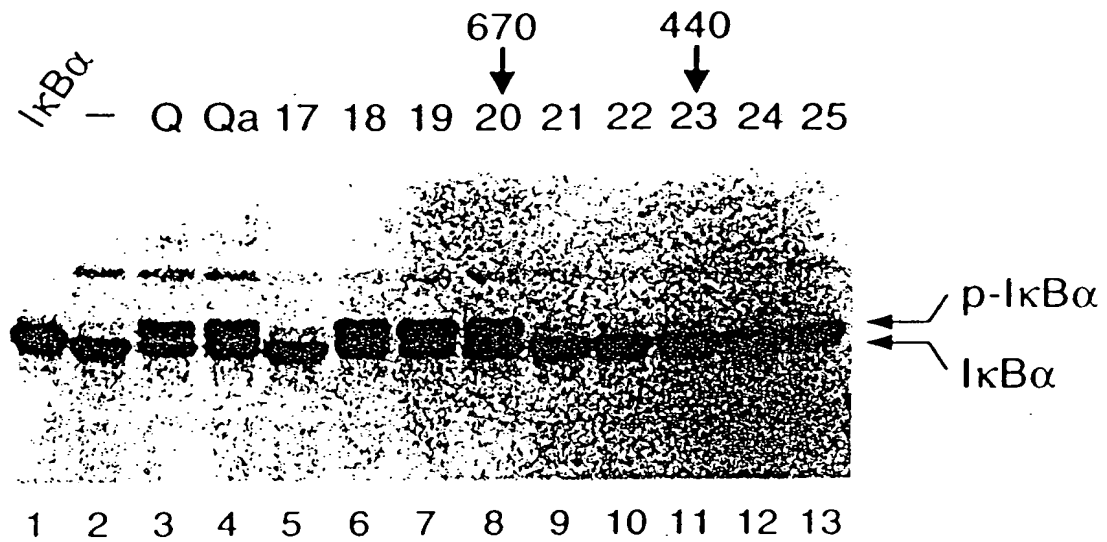


FIG.2A

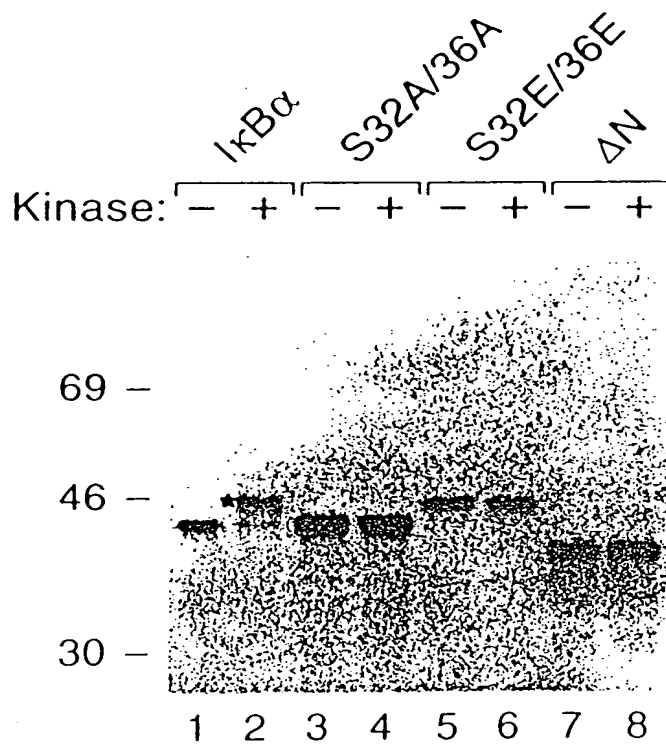


FIG.2C

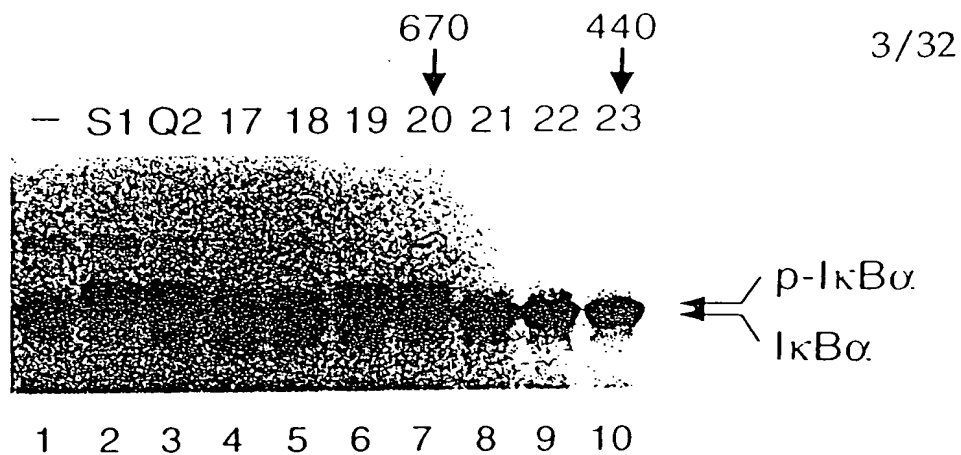


FIG.2B

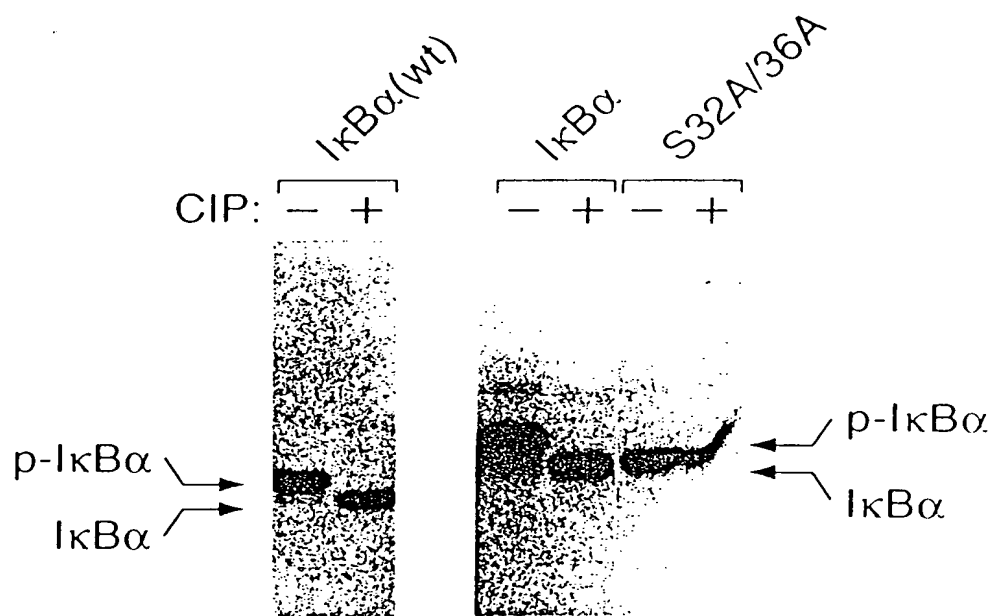


FIG.2D

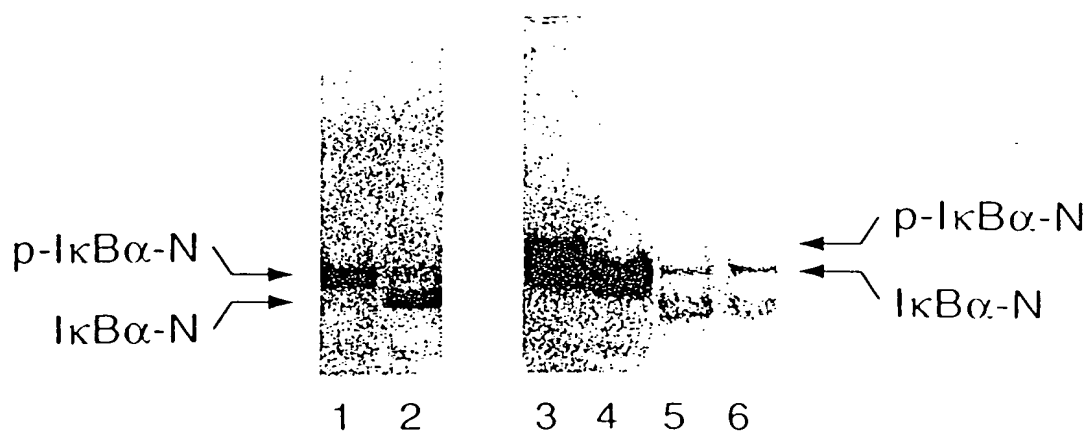


FIG.2E

4/32

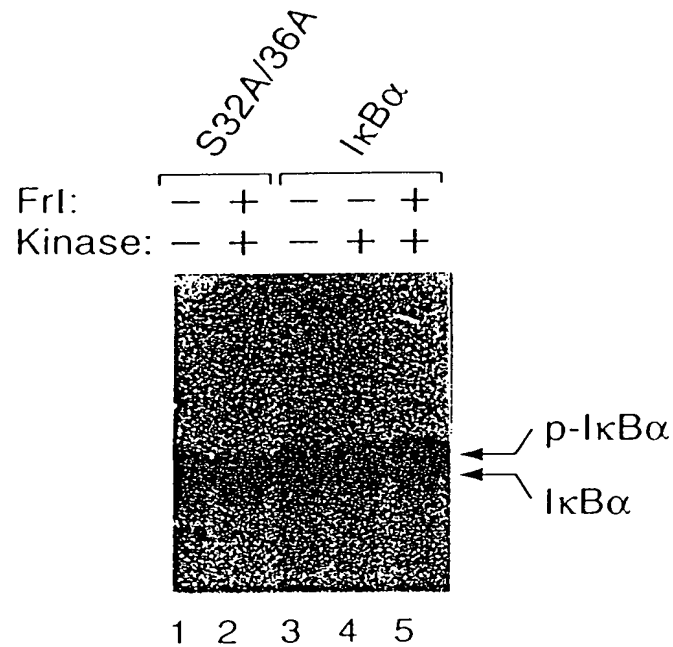


FIG.3A

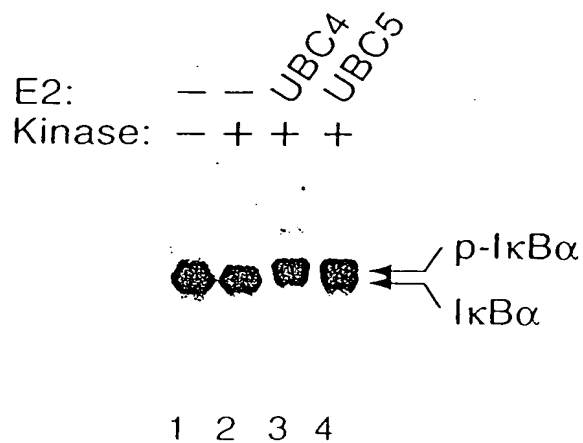


FIG.3B

5/32

FIG.3C

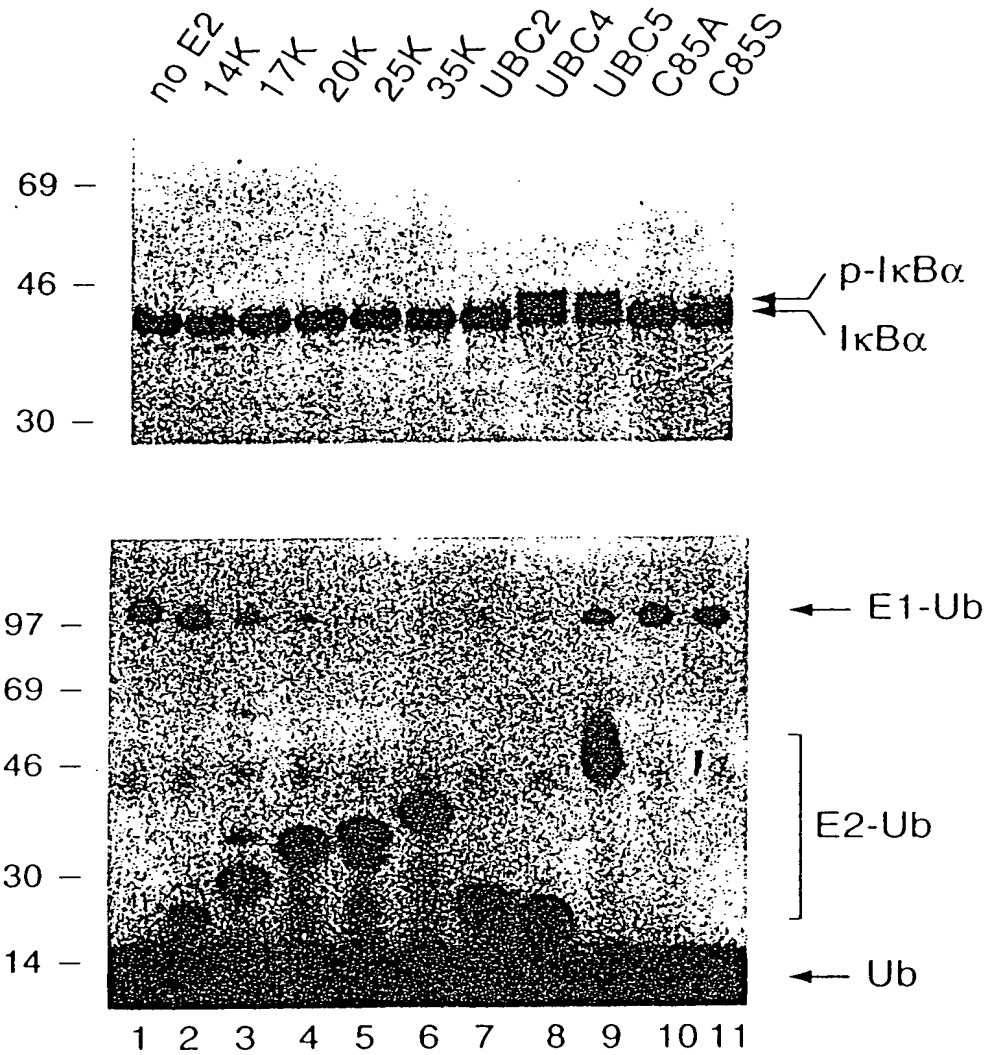


FIG.3D

6/32

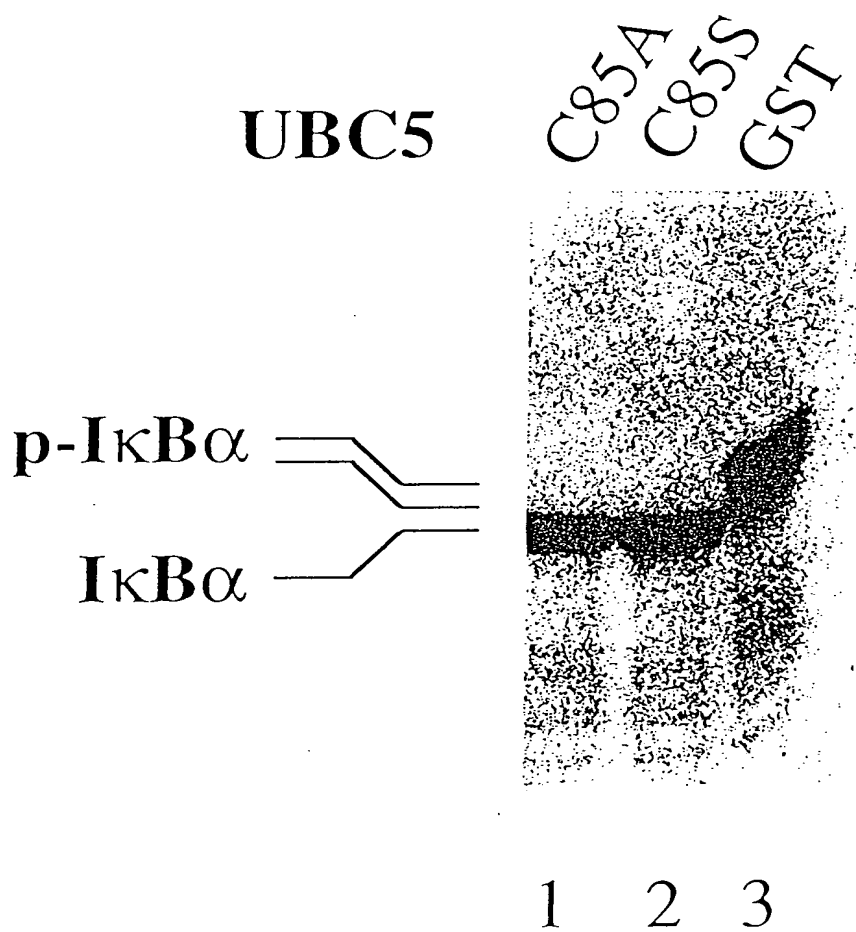


FIG.3E

7/32

Ub(μ M): 0 0.1 0.3 1 3 10

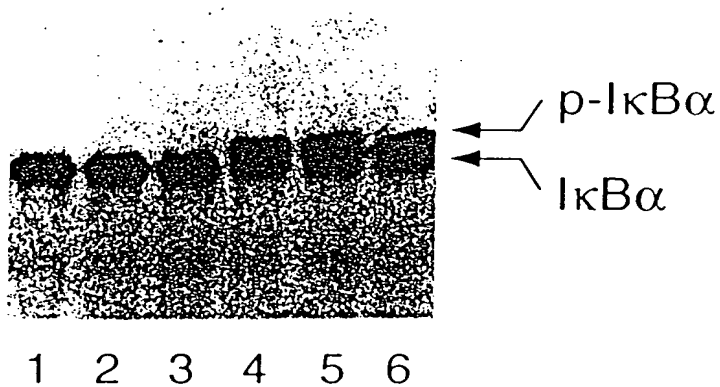


FIG.4A

Order of
addition:

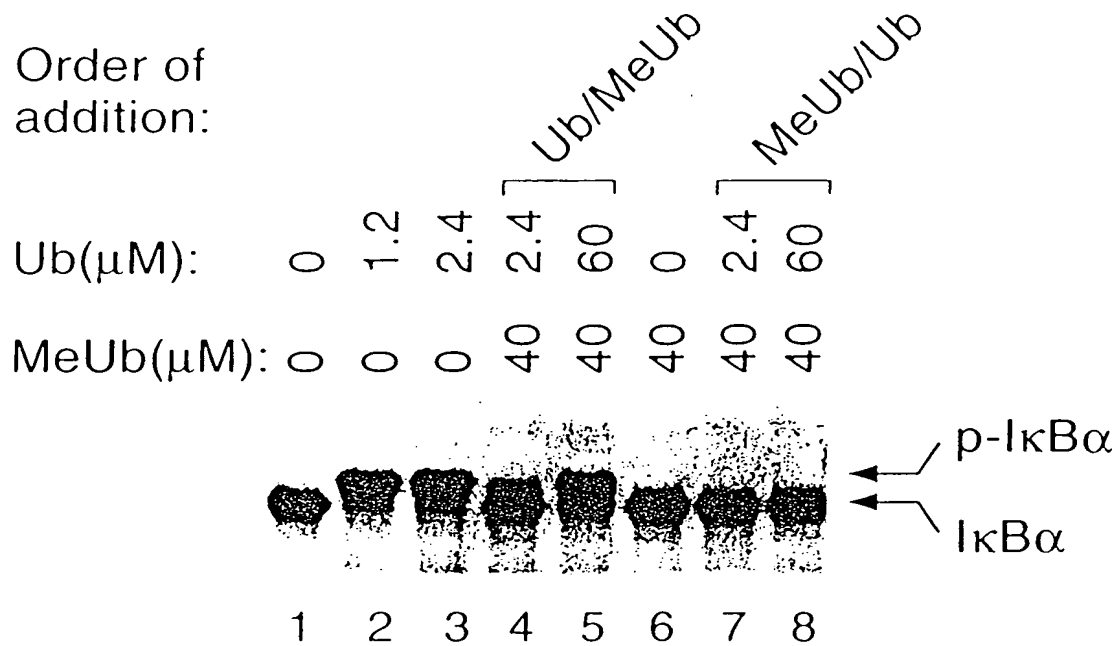


FIG.4B

9/32

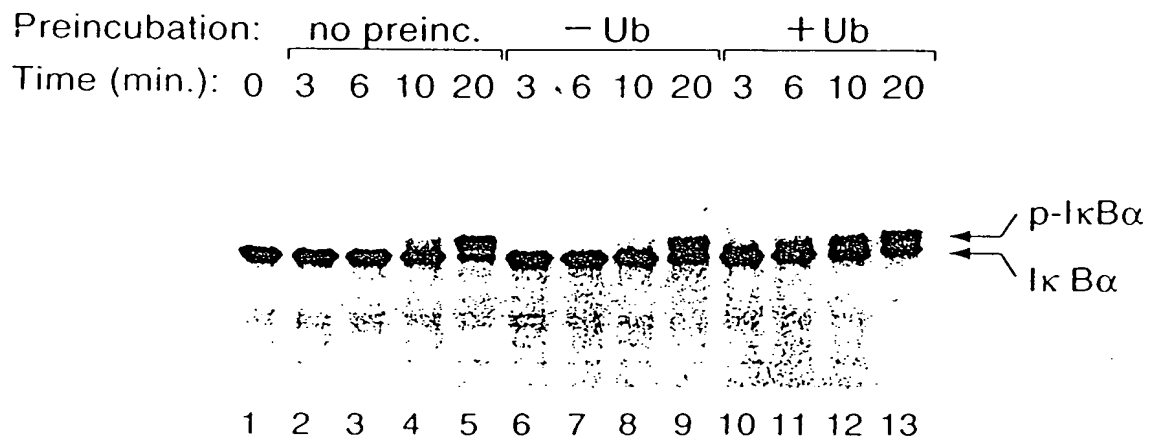


FIG.6A

10/32

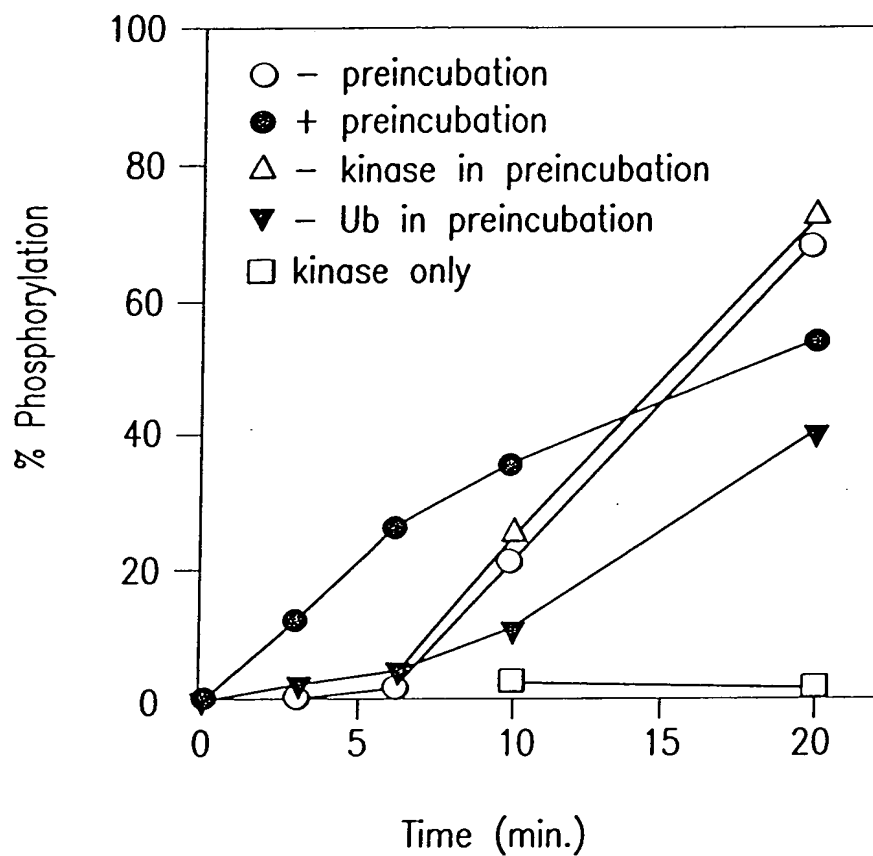
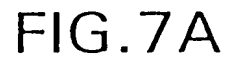


FIG. 6B

11/32



12/32

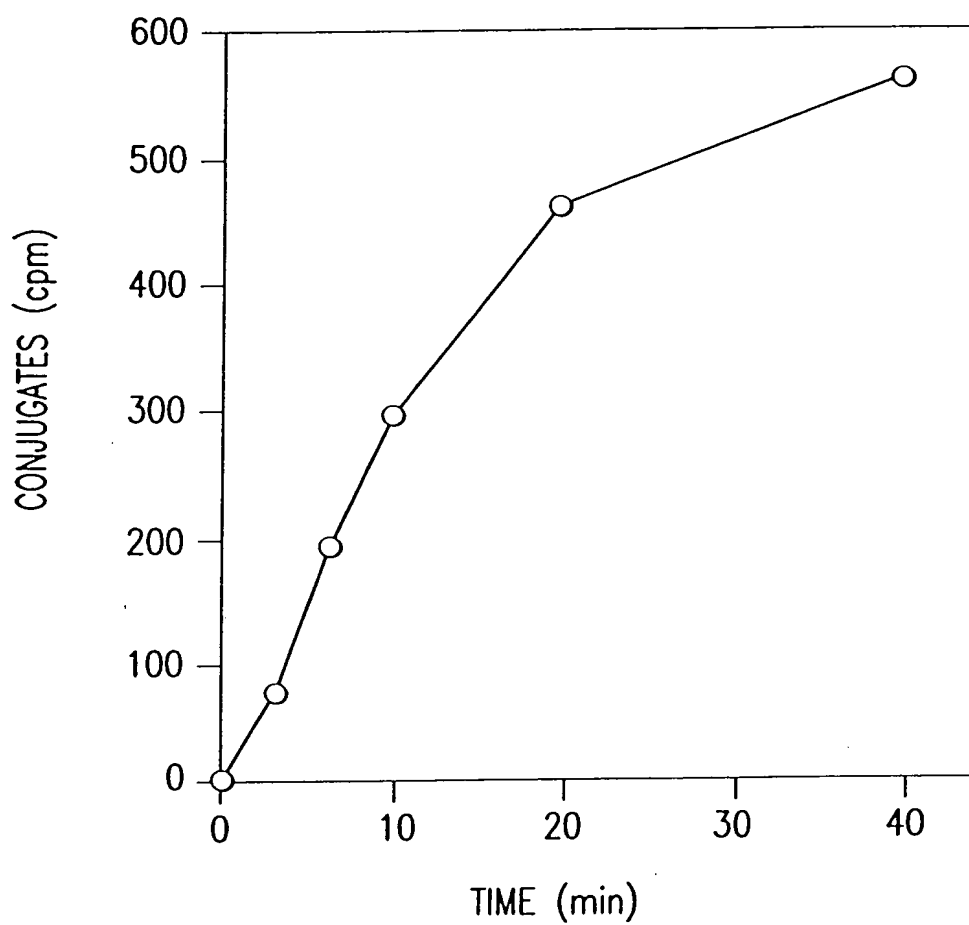


FIG. 7B

13/32

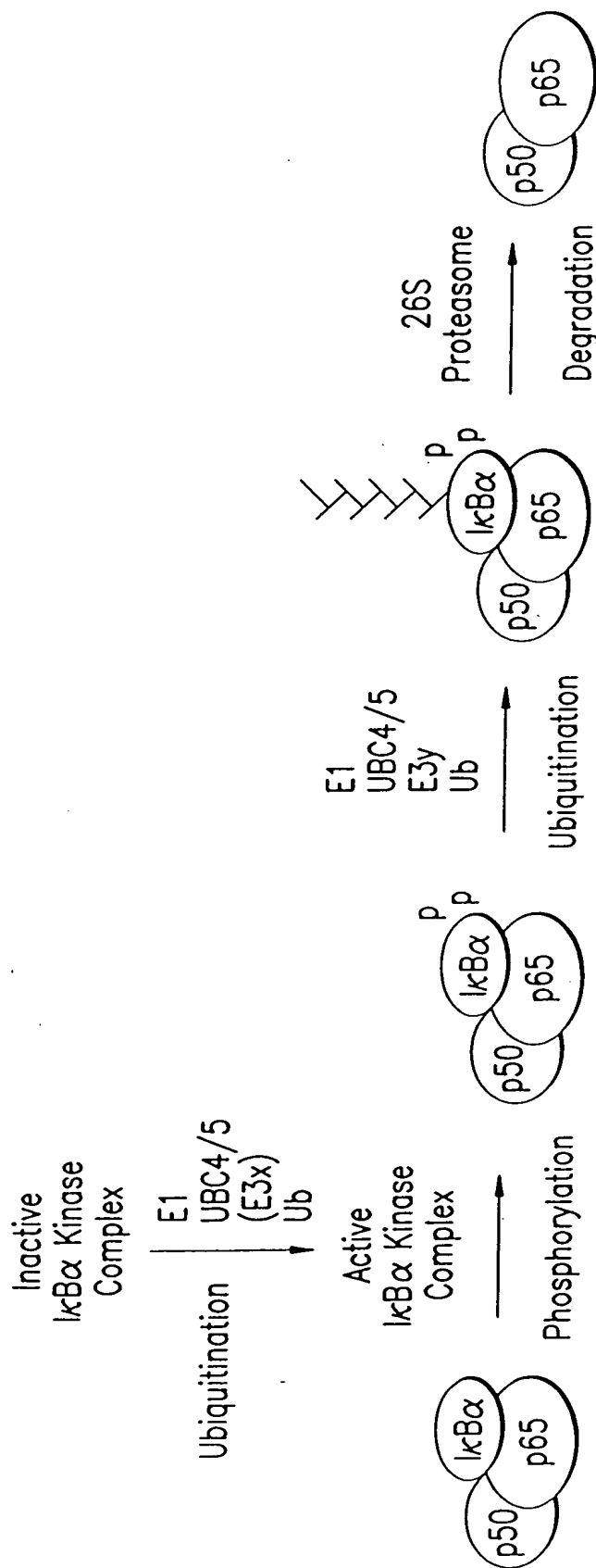


FIG. 8

14/32

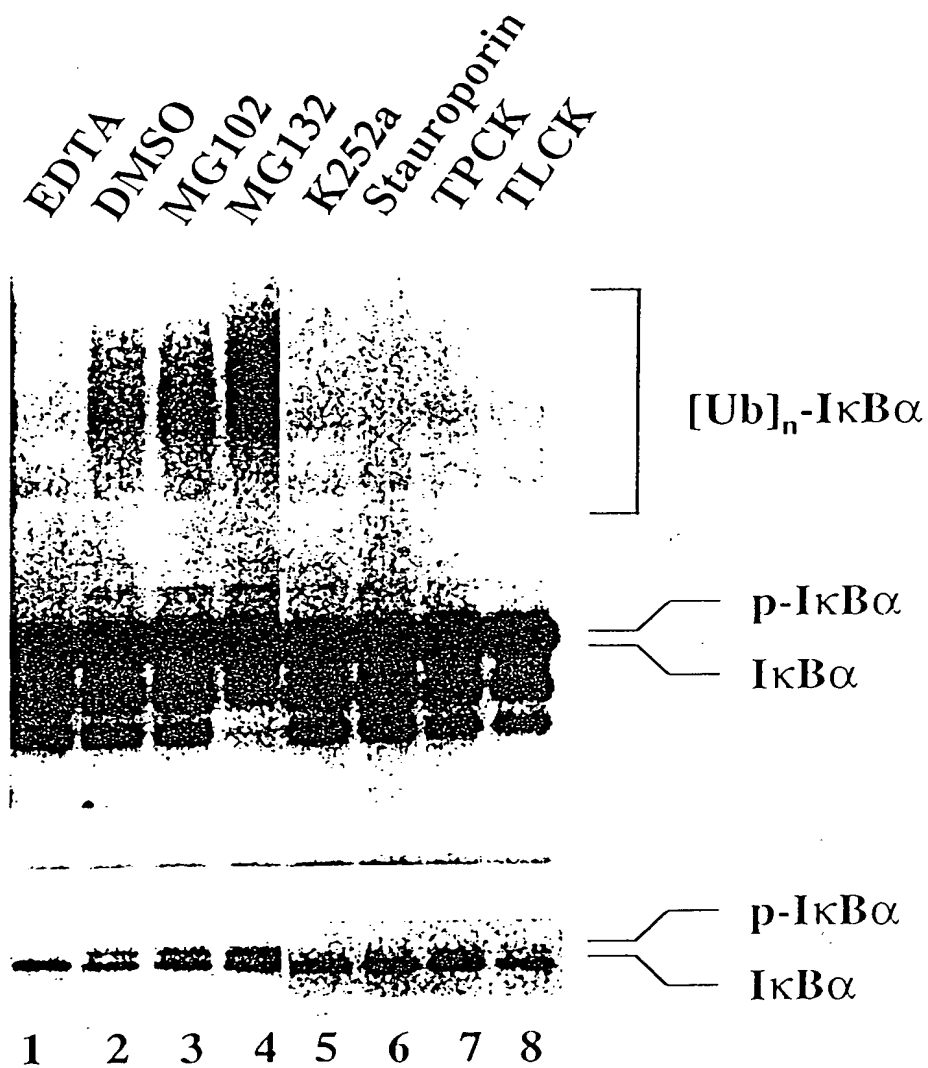


FIG.9

15/32

FIG. 10A

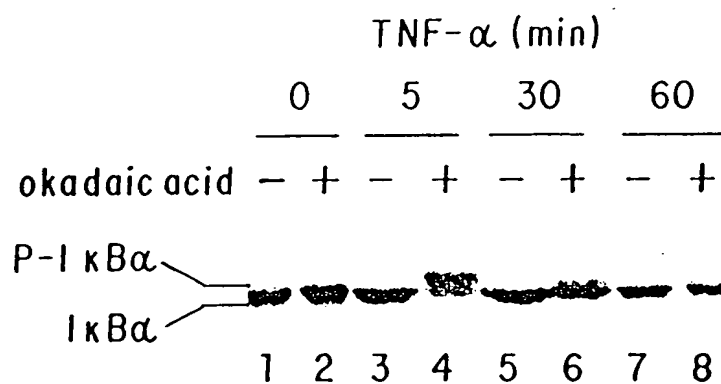
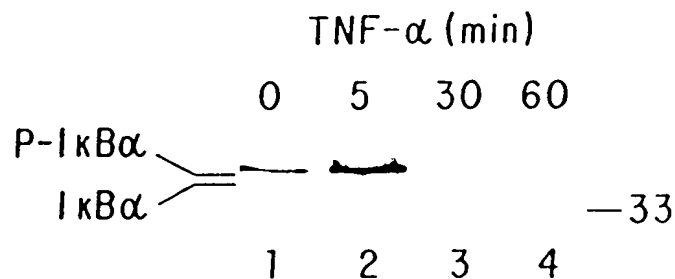


FIG. 10B

16/32

FIG.10C

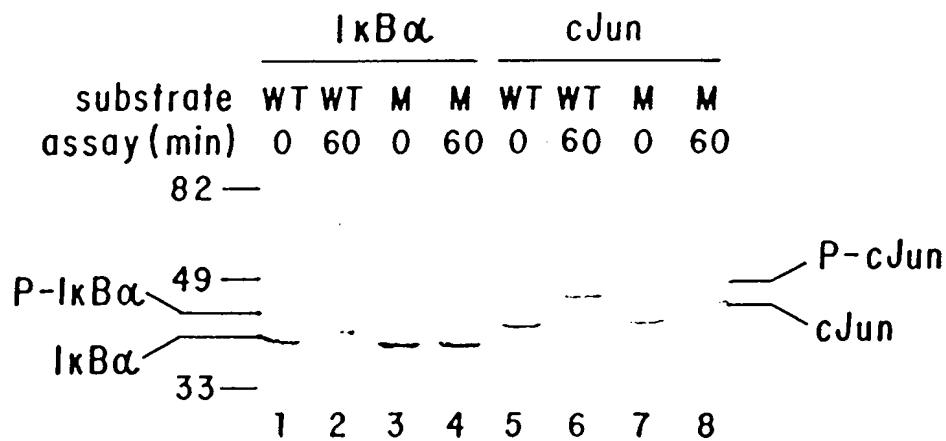
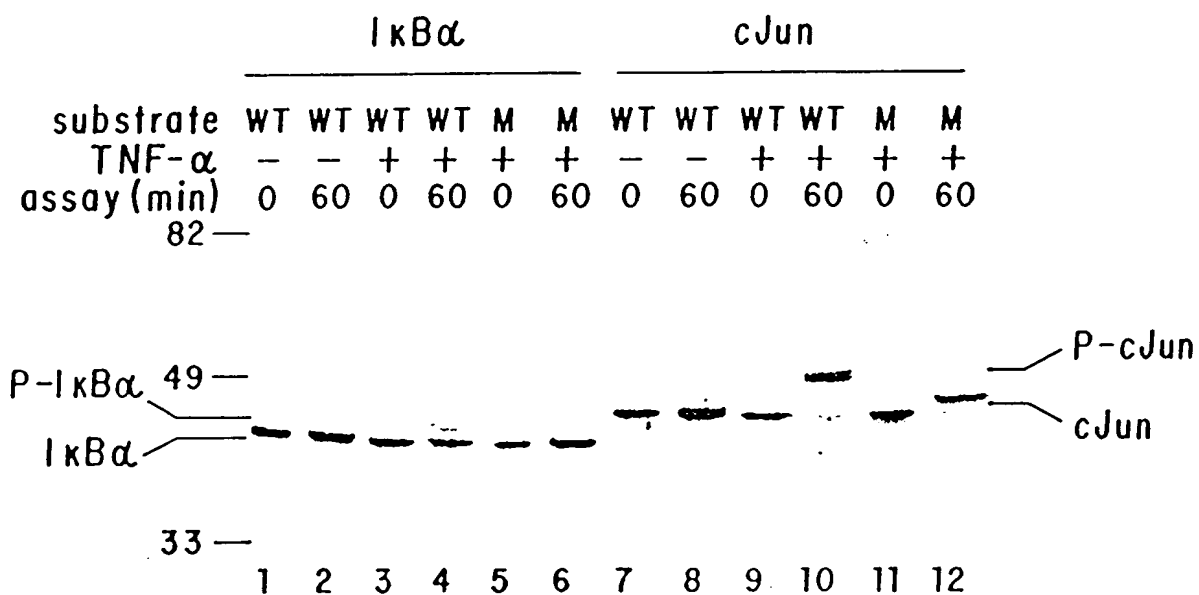


FIG.10D

17/32

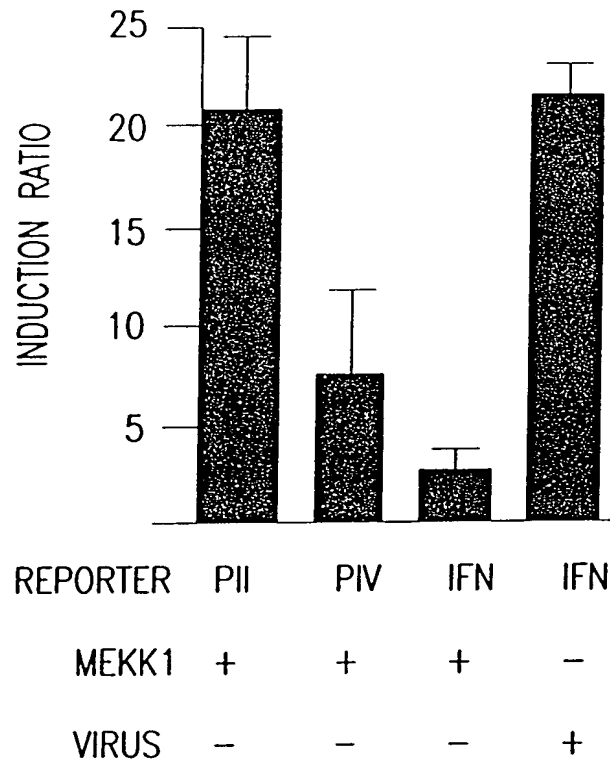


FIG. 11A

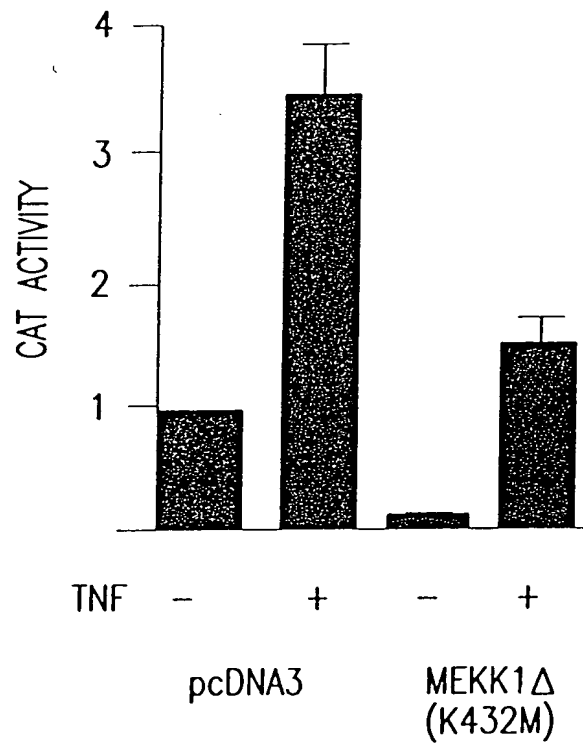


FIG. 11B

18/32

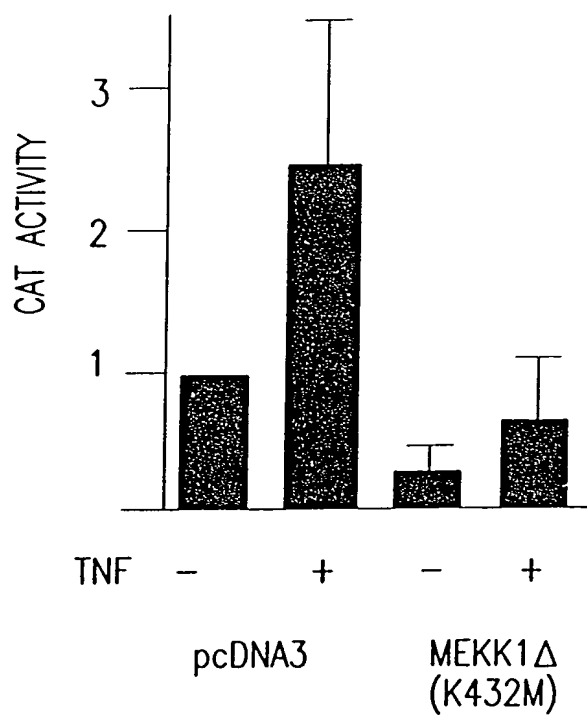


FIG. 11C

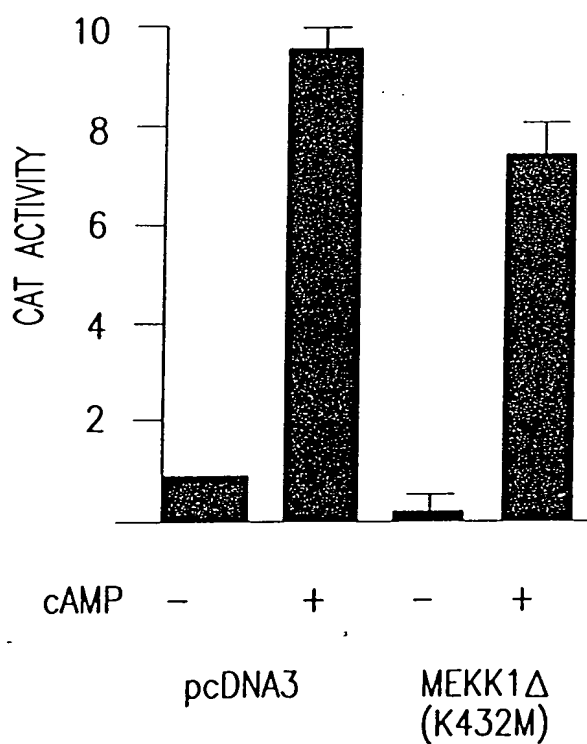


FIG. 11D

19/32

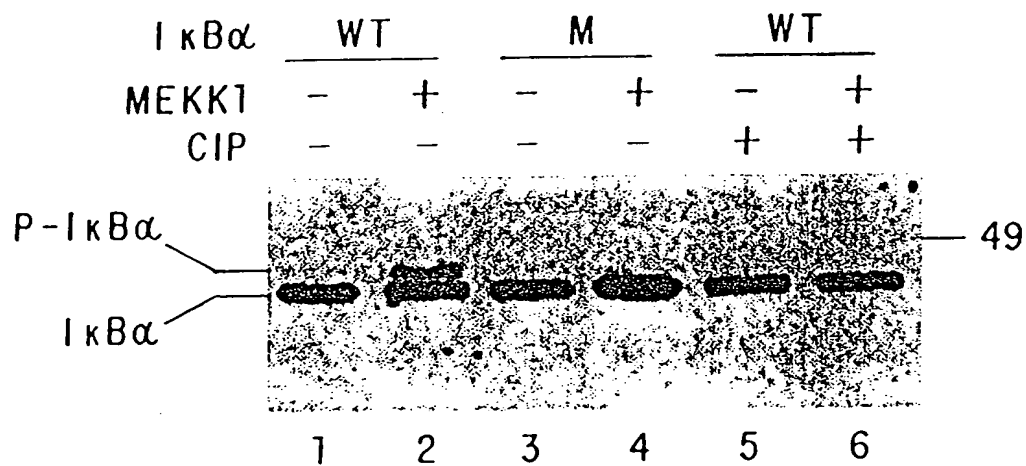


FIG.12

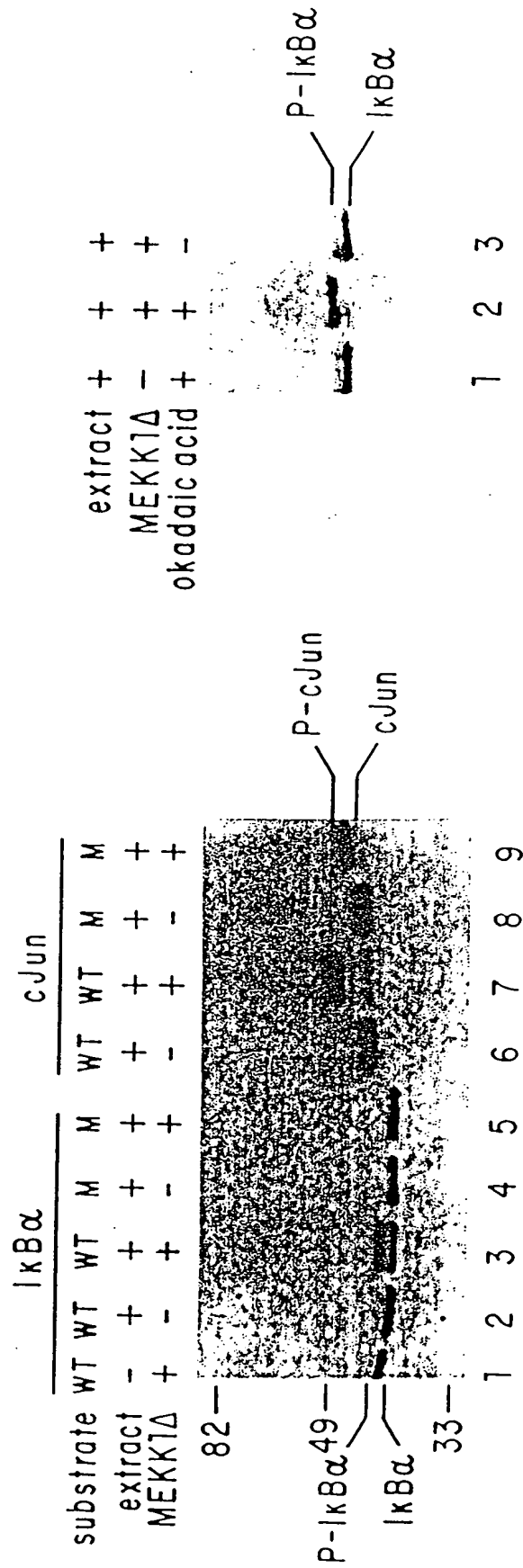


FIG. 13A

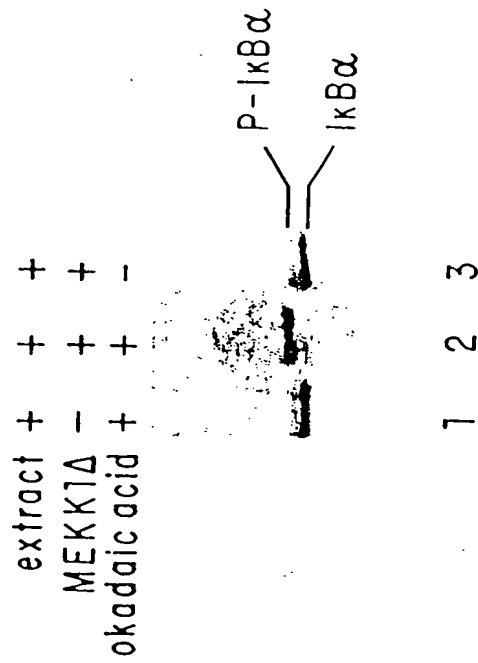


FIG. 13B

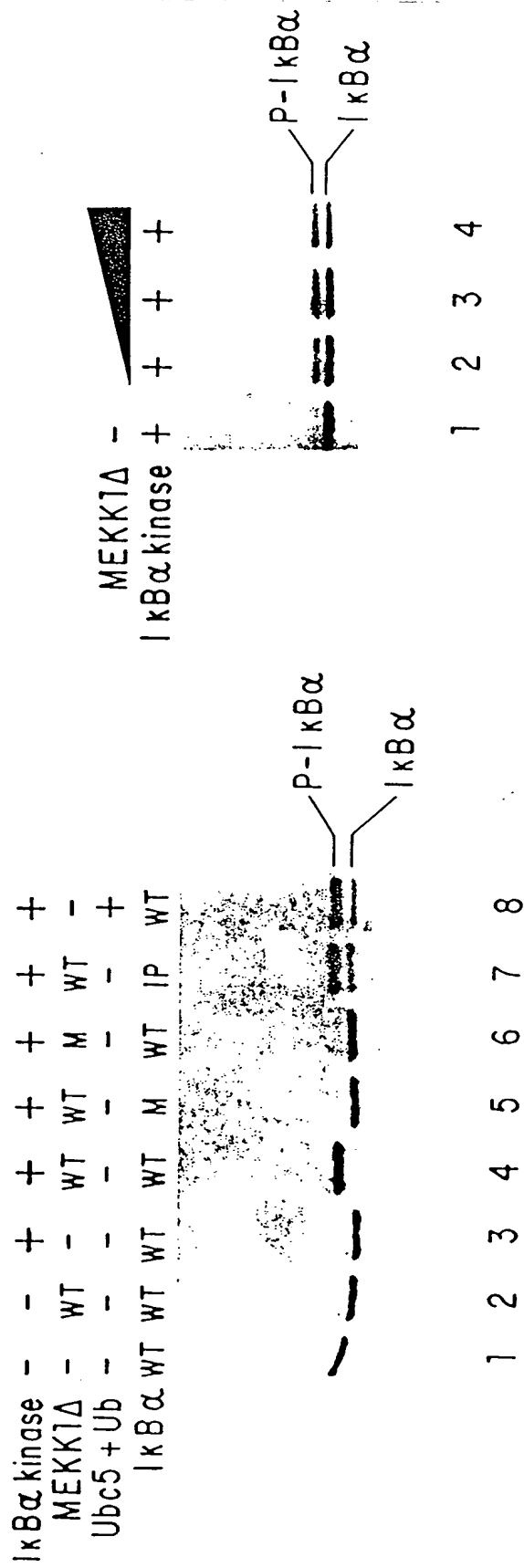


FIG. 13C

FIG. 13D

FIG. 14A

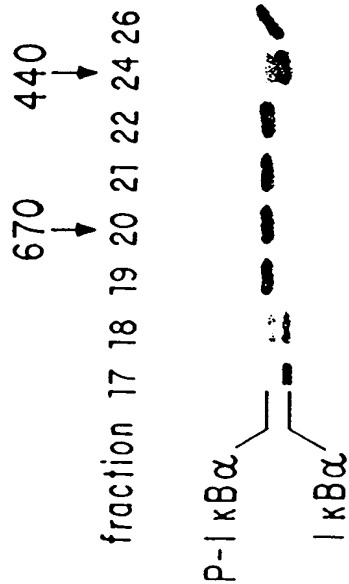


FIG. 14C

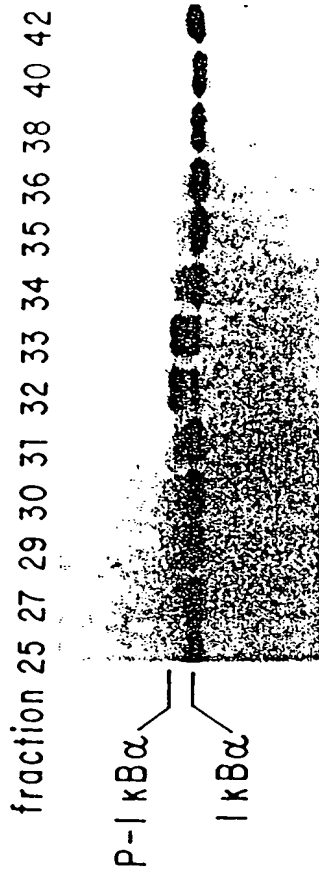


FIG. 14B

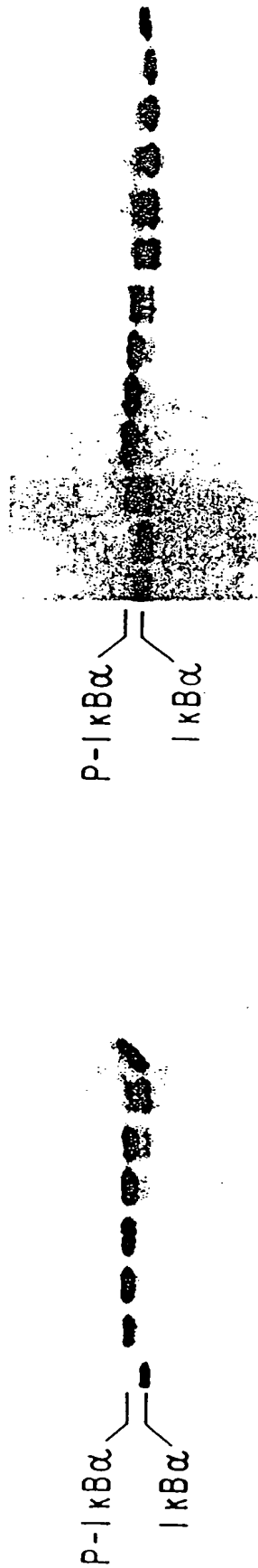


FIG. 14D

23/32

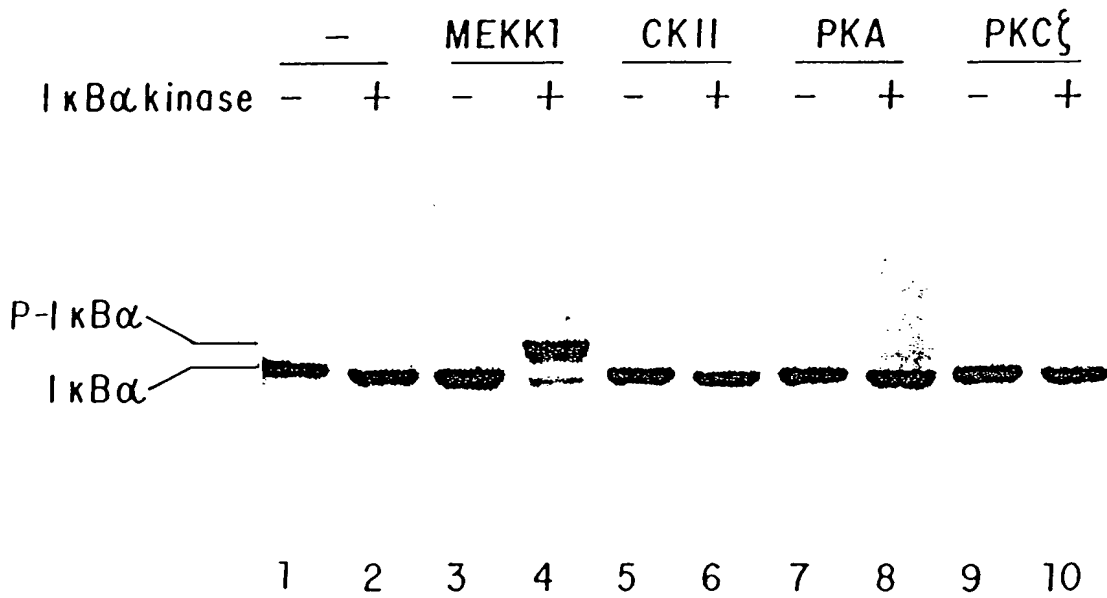


FIG.15A

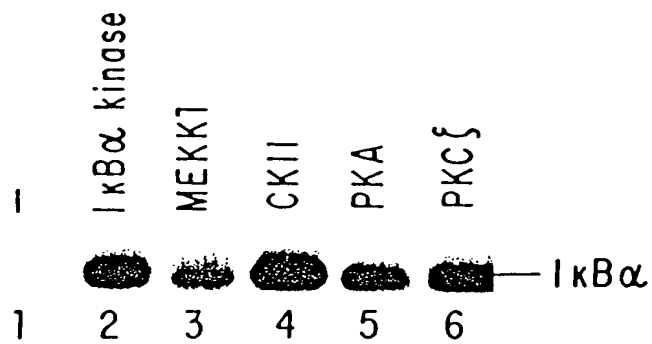


FIG.15B

24/32

CIP	-	-	+	+
MEKK1 Δ	+	-	+	-

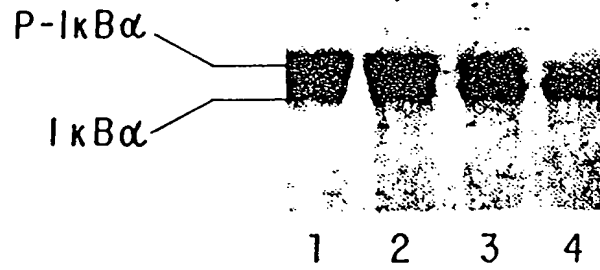


FIG.16A

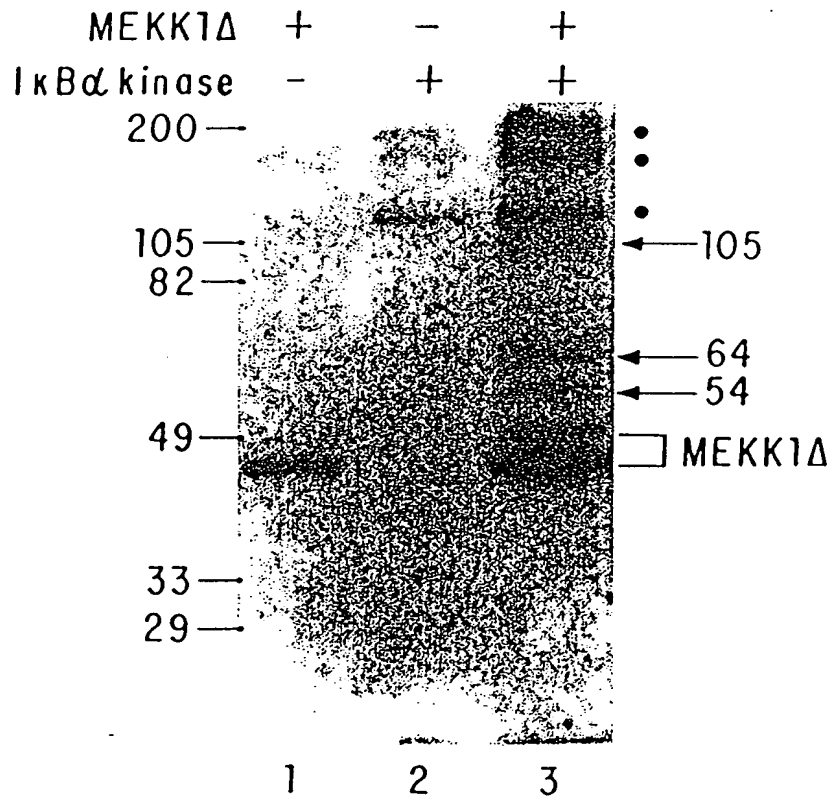


FIG.16B

25/32

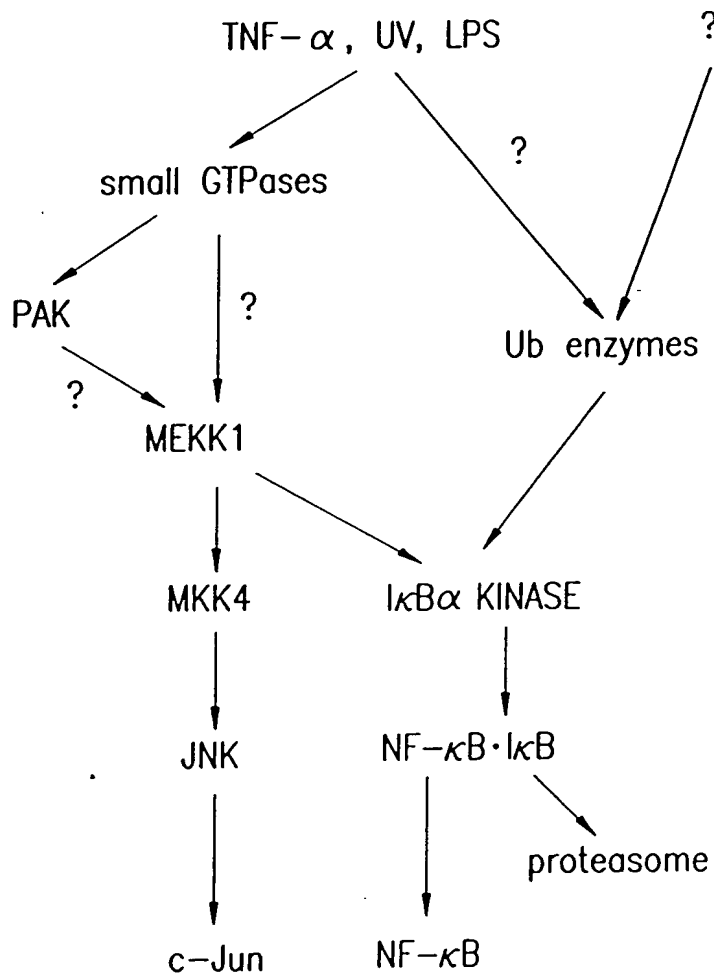


FIG. 17

26/32

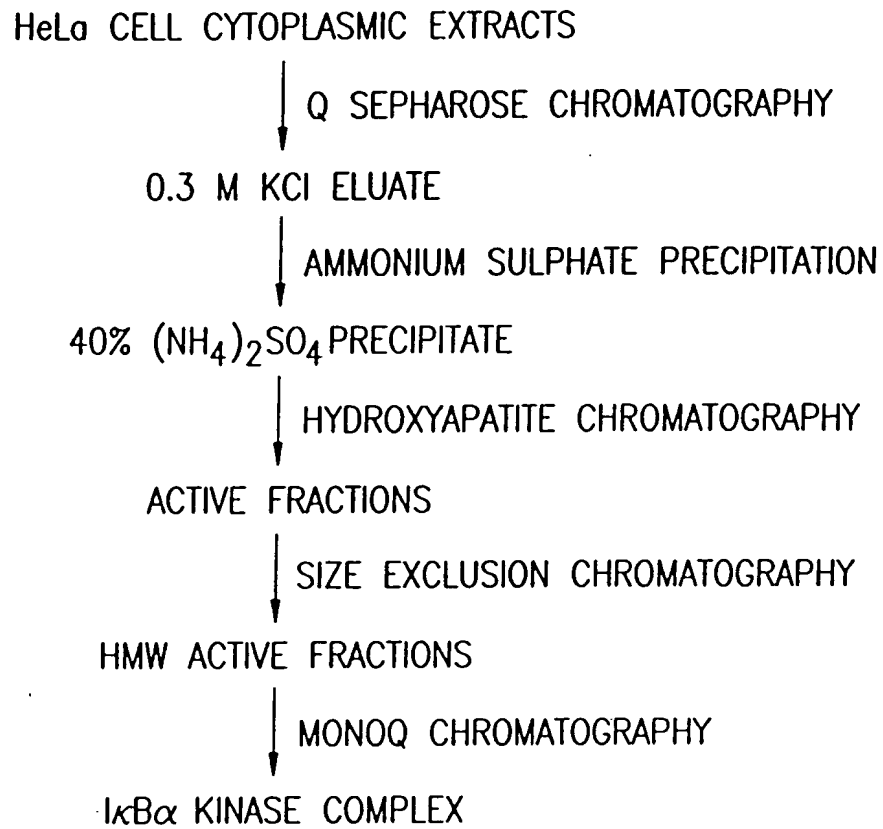


FIG. 18

27/32

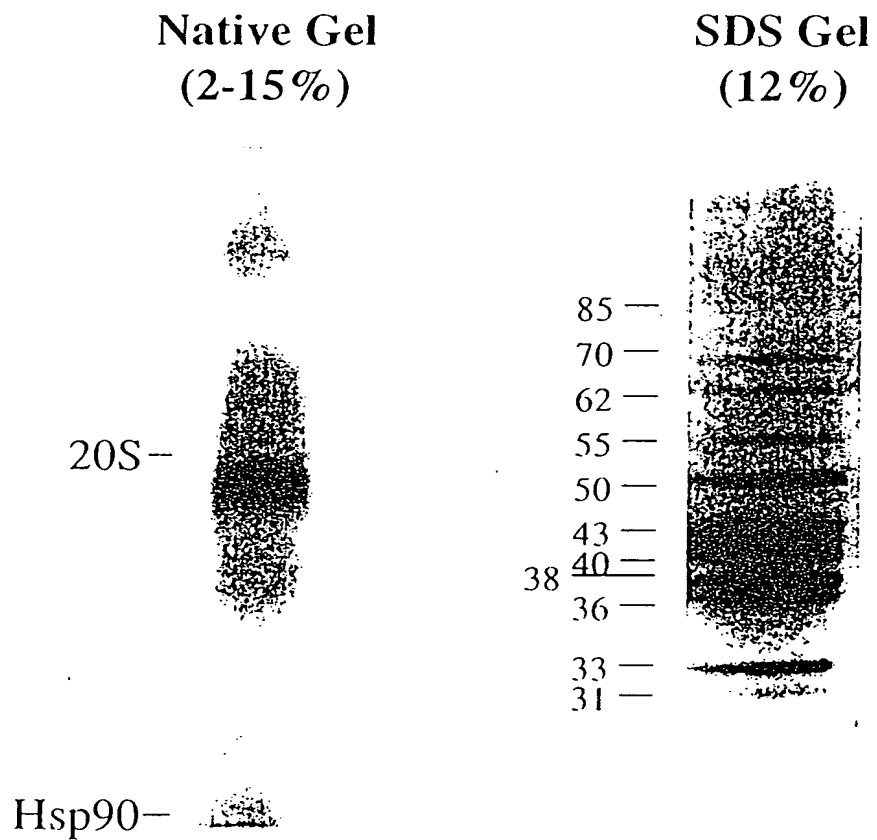


FIG.19A

FIG.19B

28/32

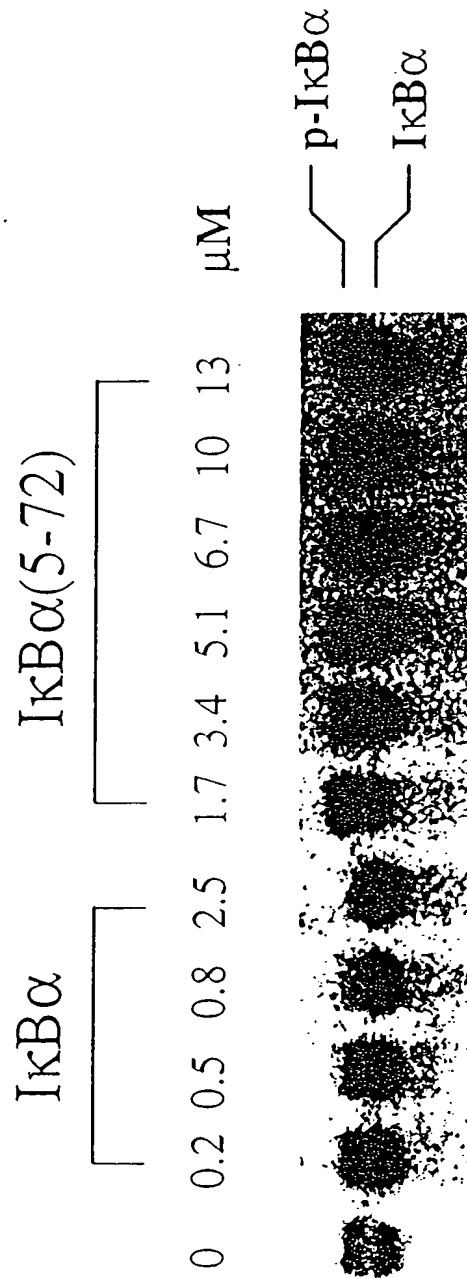


FIG.20

Applicant: Zhijian J. Chen
Title: KINASE CAPABLE OF SITE-SPECIFIC
PHOSPHORYLATION OF IKB-A
Attorney/Agent: Tracy M. Sioussat
Docket No.: MPI96-031CP1DV1CPACN2M

29/32

A p50: pep1: [L/I] [Y] [V] [E] [L/I] [E] [R]
B pep2: [L/I] [Q/K] [E] [V] [L/I] [E] [T] [L/I] [L/I] [S]
[L/I] [E] [K*]
C pep3: [L/I] [F] [T] [T] [M] [E] [L/I] [M] [R]
D p40: pep4: [T] [Y] [H] [A] [L*] [S] [N] [L*] [P] [K*]

FIG.21

30/32

A |
1 ggggtgacgag tgggtggccga agcaggggga cagcaaggga cgctcaggcg gggaccatgg
61 cggacggcgg ctcggagcgg gctgacgggc gcatcgtcaa gatggagggtg gactacagcg
121 ccacggtgga tcagcgccta cccgagtggtg cgaagtatgc caaggaagga agacttcaag
181 aagtcattga aacccttctc tctctggaaa agcagactcg tactgcttcc gatatgggtat
241 cgacatcccg tatcttagtt gcagtagtga agntgtgcta tgaggctaaa gaatgggatt
301 tacttaatta aaaatattat tgctttttgt caaaaggcg gagtcaagtt aaaaacaagc
361 tagttgacaa aaaatggatt naacagttgc tgnacttat tgttt

B |
1 ataccaagag gtaccaggaa gcattgcatt tgggttctca gctgctgcgg gagttgaaaa
61 agatggacga caaagctctt ttggtggaag tacagctttt agaaagcaaa acataccatg
121 ccctgagcaa cctgccgaaa gcccagagctg ccttaacttc ttctcgaacc acagcaaatg
181 ccctctactg cccctaaat tgcaggccac cttggacatg cagtcgggta ttatccatgc
241 agcagaagag aaggcttgaa actcgtactc atacttctat gaggcattta gggatatgact
301 catcgacagc ccaaggcatc aca

FIG.22

31/32

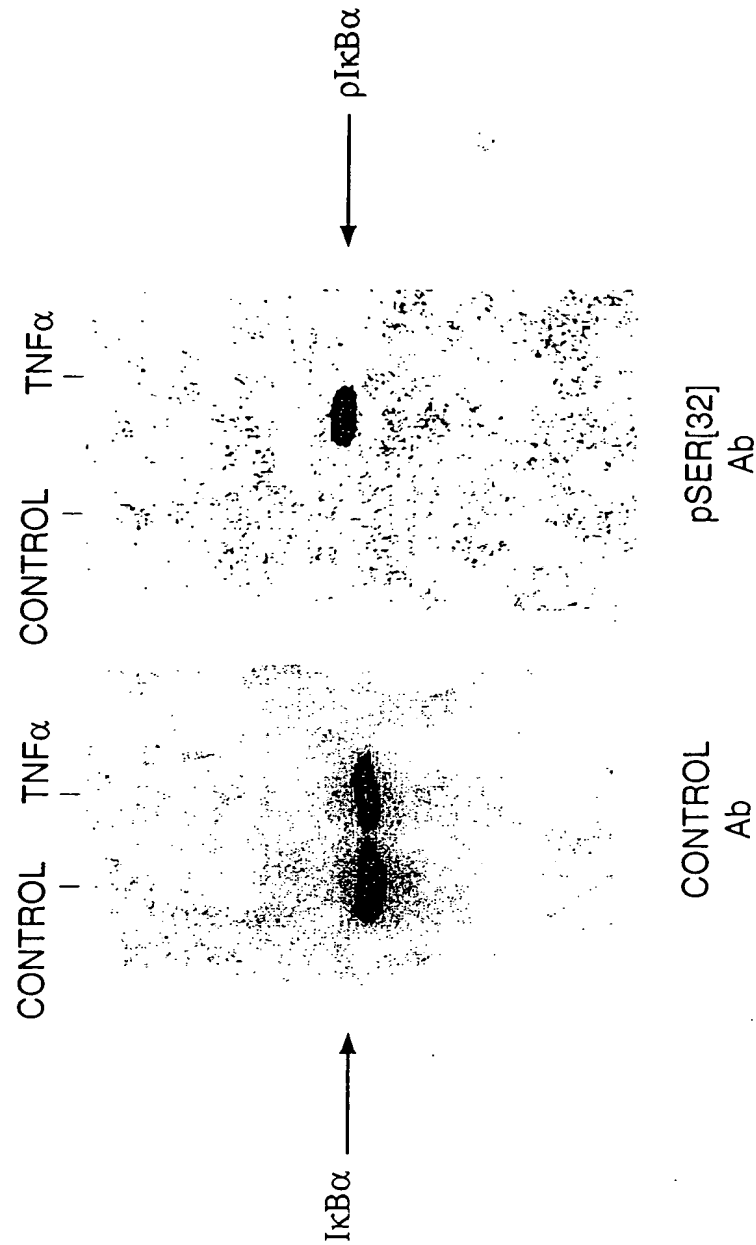


FIG. 23

32/32

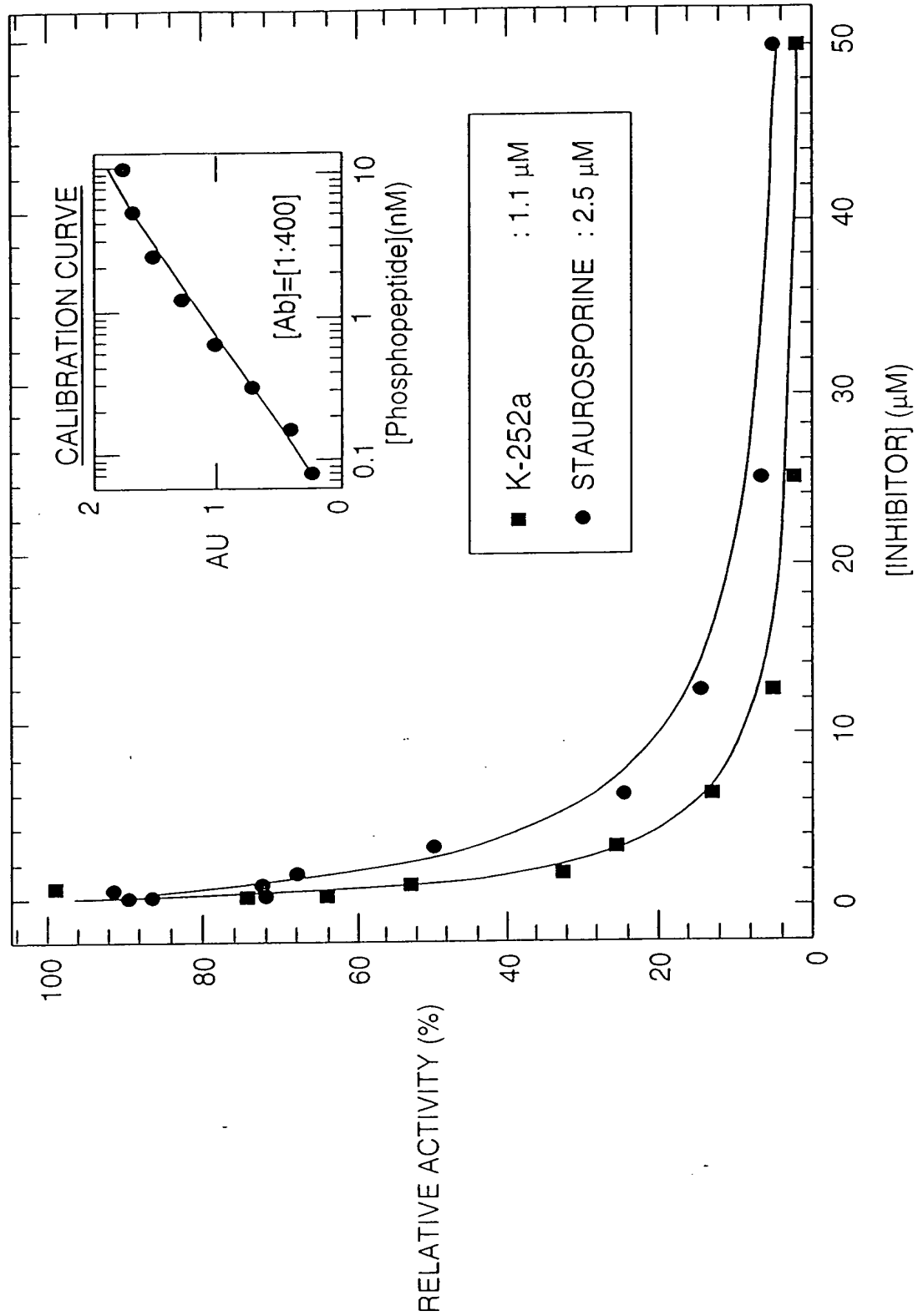


FIG. 24